

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	15497	(electroless electroplat\$4).dm. degas\$5.dm. and (vacuum pressure).dm.	US-PGPUB; USPAT	OR	ON	2006/08/15 16:30
L2	12	(electroless electroplat\$4).dm. and degas\$5.dm. and (vacuum pressure).dm.	US-PGPUB; USPAT	OR	ON	2006/08/15 16:31
S1	47	"4557785".URPN.	USPAT	OR	ON	2004/09/27 13:06
S2	0	"6454864".URPN.	USPAT	OR	ON	2004/09/27 13:16
S3	13	("4086870"   "5000827"   "5024746"   "5095848"   "5256274"   "5368711"   "5429733"   "5437777"   "5441629"   "5447615"   "5516414"   "5830805"   "5853559").PN.	USPAT	OR	ON	2004/09/27 13:16
S4	12	"5853559".URPN.	USPAT	OR	ON	2004/09/27 13:19
S5	23	"6017437".URPN.	USPAT	OR	ON	2004/09/27 13:20
S6	451	evaporation with shield	US-PGPUB; USPAT	OR	ON	2006/08/10 17:11
S7	61	("118"/\$.ccls. 156/345.\$.ccls.) and (evaporation with shield)	US-PGPUB; USPAT	OR	ON	2003/06/23 14:13
S8	16	"evaporation shield"	US-PGPUB; USPAT	OR	ON	2003/06/23 13:33
S9	5	"evaporation shield"	EPO; JPO; DERWENT	OR	ON	2003/06/23 13:50
S10	0	("118"/\$.ccls. 156/345.\$.ccls.) and (degass\$3 adj membrane)	US-PGPUB; USPAT	OR	ON	2003/06/23 14:07
S11	29	(degass\$3 adj membrane)	US-PGPUB; USPAT	OR	ON	2003/06/25 14:35
S12	46	(degass\$3 adj membrane)	EPO; JPO; DERWENT	OR	ON	2003/06/25 14:34
S13	2666	("118"/\$.ccls. 156/345.\$.ccls.) and (fluid with surface)	US-PGPUB; USPAT	OR	ON	2003/06/23 14:15
S14	151	((156/345.18) or (156/345.19)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/24 18:08
S15	74	(156/345.\$.ccls.) and (fluid with surface with (retain\$3 contact\$3))	US-PGPUB; USPAT	OR	ON	2003/06/23 14:49
S16	673	((118/402) or (118/407) or (118/409)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/24 12:56
S17	61	((("3937857") or ("4006047") or ("4234628") or ("4364803") or ("4632857") or ("5235139") or ("5240497") or ("5380560") or ("5478462") or ("5674787") or ("5824599") or ("6015747") or ("6065424") or ("6077780") or ("6136163") or ("6180523") or ("6242349") or ("6245670") or ("6258220") or ("6291348") or ("6416647") or ("6432819") or ("62639620") or ("4232060") or ("4265943") or ("4368223") or ("4397812") or ("4810520") or ("5147692") or ("5248527") or ("5384284") or ("5415890") or ("5510216") or ("5648125") or ("5695810") or ("5733816") or ("5843538") or ("5846598") or ("5885749") or ("5891513") or ("5904827") or ("5907790") or ("5910340") or ("5913147") or ("5932077") or ("5969422") or ("6010962") or ("6015724") or ("6107199") or ("6110530") or ("6113771") or ("6136693") or ("6140234") or ("6171661") or ("6174812") or ("6197181") or ("6197688") or ("6228233") or ("6258220") or ("6251236") or ("6258223") or ("6258270")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/24 11:51
S18	673	((118/402) or (118/407) or (118/409)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/24 12:57

## EAST Search History

S19	390	((156/345.18) or (156/345.19) or (156/345.12)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/24 19:24
S20	125	(118/209).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/24 19:35
S21	318	(118/211).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/24 19:36
S22	9067	(118/200-271).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/25 11:48
S23	20	((118/200-271).CCLS.) and ((118/504).CCLS.)	US-PGPUB; USPAT	OR	ON	2003/06/24 19:36
S24	607	(118/504).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/25 10:36
S25	278	(118/dig.4).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/25 11:51
S26	278	(118/dig.4).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/25 14:52
S27	1359	(134/902).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/25 12:32
S28	46	(degass\$3 adj membrane)	EPO; JPO; DERWENT	OR	ON	2003/06/25 14:35
S29	346	(degass\$3 with membrane)	EPO; JPO; DERWENT	OR	ON	2003/06/25 14:35
S30	300	( (degass\$3 with membrane) ) not ( (degass\$3 adj membrane) )	EPO; JPO; DERWENT	OR	ON	2003/06/25 14:36
S31	29	(degass\$3 adj membrane)	US-PGPUB; USPAT	OR	ON	2003/06/25 14:36
S32	393	(degass\$3 with membrane)	US-PGPUB; USPAT	OR	ON	2003/06/25 14:35
S33	1	c23c016\$.ipc. and ((degass\$3 with membrane) ) not (degass\$3 adj membrane) ))	EPO; JPO; DERWENT	OR	ON	2003/06/25 14:36
S34	8	("118"/\$.ccls. "134"/\$.ccls. 156/345.\$.ccls. ) and (degass\$3 with membrane)	US-PGPUB; USPAT	OR	ON	2003/06/26 09:14
S35	9	118/dig.4.ccls. and (heat\$3 same(cover top lid))	US-PGPUB; USPAT	OR	ON	2003/06/27 09:16
S36	123	("118"/\$.ccls. "134"/\$.ccls. 156/345.\$.ccls. ) and (transducer with acoustic)	US-PGPUB; USPAT	OR	ON	2003/06/26 20:35
S37	50	("118"/\$.ccls. "134"/\$.ccls. 156/345.\$.ccls. ) and (transducer with acoustic with wave)	US-PGPUB; USPAT	OR	ON	2003/06/26 09:15
S38	177	("118"/\$.ccls. "134"/\$.ccls. 156/345.\$.ccls. ) and (transducer with (cover lid top closure shield))	US-PGPUB; USPAT	OR	ON	2003/06/26 09:16
S39	13	("118"/\$.ccls. "134"/\$.ccls. 156/345.\$.ccls. ) and (transducer with (cover lid top closure shield) with (acoustic\$4))	US-PGPUB; USPAT	OR	ON	2003/06/26 16:46
S40	487	("118"/\$.ccls. "134"/\$.ccls. 156/345.\$.ccls. ) and (agitat\$4 with fluid)	US-PGPUB; USPAT	OR	ON	2003/06/26 10:38
S41	0	(c23c016\$.ipc.) and (transducer with (cover lid top closure shield) with (acoustic\$4))	US-PGPUB; USPAT	OR	ON	2003/06/26 10:03
S42	1	(c23c016\$.ipc.) and (transducer with (cover lid top closure shield) and (acoustic\$4))	US-PGPUB; USPAT	OR	ON	2003/06/26 10:04

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S43	0	(c23c016\$.ipc.) and (transducer with (cover lid top closure shield) and (acoustic\$4))	EPO; JPO; DERWENT	OR	ON	2003/06/26 10:04
S44	3	(c23c016\$.ipc.) and (transducer same (acoustic\$4))	EPO; JPO; DERWENT	OR	ON	2003/06/26 10:05
S45	77	(c23c016\$.ipc.) and (transducer )	EPO; JPO; DERWENT	OR	ON	2003/06/26 10:05
S46	1	(c23c016\$.ipc.) and (degass\$3 same membrane)	EPO; JPO; DERWENT	OR	ON	2003/12/17 12:10
S47	70	(c23c016\$.ipc.) and (degass\$3 )	EPO; JPO; DERWENT	OR	ON	2003/06/26 10:06
S48	10	(c23c016\$.ipc.) and (degass\$3 same (fluid liquid))	EPO; JPO; DERWENT	OR	ON	2003/06/26 10:06
S49	396	(degass\$3 with membrane)	US-PGPUB; USPAT	OR	ON	2003/06/26 10:12
S50	346	(degass\$3 with membrane)	EPO; JPO; DERWENT	OR	ON	2003/06/26 10:12
S51	30	(degass\$3 with membrane) same (cover top shield closure lid)	US-PGPUB; USPAT	OR	ON	2003/06/26 10:13
S52	20	(degass\$3 with membrane) same (cover top shield closure lid)	EPO; JPO; DERWENT	OR	ON	2003/06/26 10:27
S53	70	(c23c016\$.ipc.) and (degass\$3 )	EPO; JPO; DERWENT	OR	ON	2003/06/26 20:36
S54	408	("118"/\$.ccls. "134"/\$.ccls. 156/345\$.ccls. ) and (degass\$3)	US-PGPUB; USPAT	OR	ON	2003/06/26 12:01
S55	4	((134/109-110).CCLS.) and (degass\$3)	US-PGPUB; USPAT	OR	ON	2003/06/26 12:03
S56	194	((134/109-110).CCLS.) and (membrane filter)	US-PGPUB; USPAT	OR	ON	2003/06/26 12:05
S57	36	((134/109-110).CCLS.) and (membrane )	US-PGPUB; USPAT	OR	ON	2003/06/26 12:05
S58	553	(134/109-110).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/26 15:28
S59	68	(96/5).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/26 14:40
S60	975	(transducer with (cover lid top closure shield) with (acoustic\$4))	US-PGPUB; USPAT	OR	ON	2003/06/26 16:46
S61	222	(transducer with (cover lid top closure ) with (acoustic\$4) with wave)	US-PGPUB; USPAT	OR	ON	2003/12/17 13:00
S62	21	(transducer with (cover lid top closure ) with (acoustic\$4) with wave with (fluid liquid solution))	US-PGPUB; USPAT	OR	ON	2003/06/26 17:01
S63	127	(transducer with (cover lid top closure ) with (mount\$3 attach\$3 secur\$3) with (rod dowel bolt))	US-PGPUB; USPAT	OR	ON	2003/06/26 17:04
S64	193	(transducer with (cover lid top closure ) with (mount\$3 attach\$3 secur\$3) ) same (substrate wafer semiconductor)	US-PGPUB; USPAT	OR	ON	2003/06/26 17:05
S65	82	(transducer with (cover lid top closure ) with (mount\$3 attach\$3 secur\$3) with (rod ))	US-PGPUB; USPAT	OR	ON	2003/06/26 18:38
S66	17	(transducer with (cover lid top closure ) with (fluid liquid) with (rod ))	US-PGPUB; USPAT	OR	ON	2003/12/17 13:00
S67	10	(transducer with (cover lid top closure ) with (fluid liquid) with (rod ))	EPO; JPO; DERWENT	OR	ON	2003/06/26 18:32
S68	197	(transducer with (cover lid top closure ) with (transducer) with (rod ))	US-PGPUB; USPAT	OR	ON	2003/06/26 18:39

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S69	17	(transducer with (cover lid top closure ) with (liquid solution fluid) with (rod ))	US-PGPUB; USPAT	OR	ON	2003/06/26 18:41
S70	5	(solution fluid liquid) with transducer with rod with acoustic with wave	US-PGPUB; USPAT	OR	ON	2003/06/26 18:42
S71	48	("118"/\$.cds. "134"/\$.cds. 156/345.\$.cds. ) and (transducer with rod)	US-PGPUB; USPAT	OR	ON	2003/06/26 19:20
S72	253	("118"/\$.cds. "134"/\$.cds. 156/345.\$.cds. ) and (polymer\$3 with resist\$3 with material)	US-PGPUB; USPAT	OR	ON	2003/06/26 20:36
S73	109	("118"/\$.cds. ) and (polymer\$3 with resist\$3 with material)	US-PGPUB; USPAT	OR	ON	2003/06/26 20:36
S74	11	(c23c016\$.ipc.) and (polymer\$3 with resist\$3 with material)	EPO; JPO; DERWENT	OR	ON	2003/06/26 20:38
S75	56	(c23c016\$.ipc.) and (polymer\$3 with (chamber apparatus) with material)	EPO; JPO; DERWENT	OR	ON	2003/06/26 20:44
S76	350	("118"/\$.cds.) and (polymer\$3 with (chamber apparatus) with material)	US-PGPUB; USPAT	OR	ON	2003/06/26 20:45
S77	8	("118"/\$.cds.) and (polymer\$3 with (chamber apparatus) with material with (corros\$3 erosi\$3))	US-PGPUB; USPAT	OR	ON	2003/06/26 20:45
S78	3	(c23c016\$.ipc.) and (degass\$3 same (cover top lid))	EPO; JPO; DERWENT	OR	ON	2003/12/17 12:11
S79	25	(118/715-733.cds. 156/345.\$.cds.) and (degass\$3 same (cover top lid))	US-PGPUB; USPAT	OR	ON	2003/12/17 12:11
S80	3	(c23c016\$.ipc.) and (degass\$3 same (cover top shield lid))	EPO; JPO; DERWENT	OR	ON	2003/12/17 12:17
S81	29	(118/715-733.cds. 156/345.\$.cds.) and (degass\$3 same (shield cover top lid))	US-PGPUB; USPAT	OR	ON	2003/12/17 12:17
S82	20	(118/715-733.cds. 156/345.\$.cds.) and (degass\$3 same (shield cover top lid))	US-PGPUB; USPAT	OR	ON	2003/12/17 12:17
S83	4	(c23c016\$.ipc.) and (degass\$34 same (cover top shield lid))	EPO; JPO; DERWENT	OR	ON	2003/12/17 12:18
S84	39	(118/715-733.cds. 156/345.\$.cds.) and (degass\$4 same (shield cover top lid))	US-PGPUB; USPAT	OR	ON	2003/12/17 12:26
S85	66	(degass\$4 same (shield cover top lid) same membrane)	US-PGPUB; USPAT	OR	ON	2003/12/17 12:26
S86	30	(degass\$4 same (shield cover top lid) same membrane)	EPO; JPO; DERWENT	OR	ON	2003/12/17 12:34
S87	236	(261/dig.19).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/12/17 12:34
S88	4	((261/dig.19).CCLS.) and membrane	US-PGPUB; USPAT	OR	ON	2003/12/17 12:34
S89	3	((261/dig.19).CCLS.) and (degass\$4 with (cover top lid shield closure))	US-PGPUB; USPAT	OR	ON	2003/12/17 12:35
S90	66	(degass\$4 same (shield cover top lid) same membrane)	US-PGPUB; USPAT	OR	ON	2003/12/17 12:37
S91	0	c23c016\$.ipc. and ((transducer with (cover lid top closure ) with (acoustic\$4) with wave) )	EPO; JPO; DERWENT	OR	ON	2003/12/17 13:01
S92	1	"118"/\$.cds. and ((transducer with (cover lid top closure ) with (acoustic\$4) with wave) )	US-PGPUB; USPAT	OR	ON	2003/12/17 13:04
S93	173	(coat\$3 deposit\$3 film) and ((transducer with (cover lid top closure ) with (acoustic\$4) with wave) )	US-PGPUB; USPAT	OR	ON	2003/12/17 13:29
S94	93	((coat\$3 deposit\$3 film) with substrate) and ((transducer with (cover lid top closure ) with (acoustic\$4) with wave) )	US-PGPUB; USPAT	OR	ON	2003/12/17 13:25
S95	10	118/620-643.cds. and ( acoustic\$4 with wave )	US-PGPUB; USPAT	OR	ON	2003/12/17 13:27

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S96	1	118/612.cds. and ( acoustic\$4 with wave )	US-PGPUB; USPAT	OR	ON	2003/12/17 13:29
S97	23	(coat\$3 deposit\$3 film) same ((transducer with (cover lid top closure ) with (acoustic\$4) with wave) )	EPO; JPO; DERWENT	OR	ON	2003/12/17 13:37
S98	0	134/1.\$.cds. and ((transducer with (cover lid top closure ) with (acoustic\$4) with wave) )	EPO; JPO; DERWENT	OR	ON	2003/12/17 14:14
S99	0	134/1.\$.cds. and (transducer with (acoustic\$4) with wave )	EPO; JPO; DERWENT	OR	ON	2003/12/17 13:37
S10 0	34	(134/1.\$.cds. 134/1.cds.) and (transducer with (acoustic\$4) with wave)	US-PGPUB; USPAT	OR	ON	2003/12/17 14:06
S10 1	3	(134/1.\$.cds. 134/1.cds.) and ((transducer with (cover lid top closure ) with (acoustic\$4) with wave) )	US-PGPUB; USPAT	OR	ON	2003/12/17 13:39
S10 2	14	(b08b\$.ipc.) and (transducer with (acoustic\$4) with wave)	EPO; JPO; DERWENT	OR	ON	2003/12/17 14:06
S10 3	5	"134"/\$.cds. and ((transducer with (cover lid top closure ) with (acoustic\$4) with wave) )	US-PGPUB; USPAT	OR	ON	2003/12/17 14:26
S10 4	2	"09550680"	US-PGPUB; USPAT	OR	ON	2003/12/17 14:38
S10 5	1	("6554905").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/12/17 14:38
S10 6	19	("1060265"   "4422407"   "4446817"   "4558660"   "4563367"   "4615294"   "4798165"   "4836138"   "5108792"   "5332442"   "5587019"   "6027602"   "6133152"   "6210484"   "6265323"   "6281141"   "6288367"   "6316747"   "6319556").PN.	USPAT	OR	ON	2003/12/17 14:39
S10 7	107	c23c016\$.ipc. and (rotat\$5 with (cover lid top closure))	EPO; JPO; DERWENT	OR	ON	2003/12/17 15:38
S10 8	6405	c23c016\$.ipc. and (rotat\$5 with (cover lid top closure) (independent\$3 relative))	EPO; JPO; DERWENT	OR	ON	2003/12/17 15:36
S10 9	4	c23c016\$.ipc. and (rotat\$5 with (cover lid top closure) with (independent\$3 relative))	EPO; JPO; DERWENT	OR	ON	2003/12/17 15:36
S11 0	2249	"118"/\$.cds. and (rotat\$5 with (cover lid top closure))	US-PGPUB; USPAT	OR	ON	2003/12/17 15:37
S11 1	7	c23c016\$.ipc. and (rotat\$5 with (cover lid top closure) with (independent\$3 relative separat\$3))	EPO; JPO; DERWENT	OR	ON	2003/12/17 15:39
S11 2	223	"118"/\$.cds. and (rotat\$5 with (cover lid top closure) with (independent\$3 relative separat\$3))	US-PGPUB; USPAT	OR	ON	2003/12/17 17:46
S11 3	3	("118"/\$.cds. 156/345.\$.cds. "134"/\$.cds.) and ((channel vein protrusion) with agit\$7 with (cover lid top closure) )	US-PGPUB; USPAT	OR	ON	2003/12/17 17:48
S11 4	1546	("118"/\$.cds. 156/345.\$.cds. "134"/\$.cds.) and ((channel vein protrusion) with (cover lid top closure) )	US-PGPUB; USPAT	OR	ON	2003/12/17 17:49
S11 5	16228	("118"/\$.cds. 156/345.\$.cds. "134"/\$.cds.) and ((channel vein protrusion) with (cover lid top closure) (mix\$3 agit\$7 stir\$3) )	US-PGPUB; USPAT	OR	ON	2003/12/17 17:51
S11 6	8968	(c23c016\$.ipc. b08b\$) and ((channel vein protrusion) with (cover lid top closure) (mix\$3 agit\$7 stir\$3) )	EPO; JPO; DERWENT	OR	ON	2003/12/17 17:51
S11 7	5	(c23c016\$.ipc. b08b\$) and ((channel vein protrusion) with (cover lid top closure) WITH (mix\$3 agit\$7 stir\$3) )	EPO; JPO; DERWENT	OR	ON	2003/12/17 17:51
S11 8	19	("118"/\$.cds. 156/345.\$.cds. "134"/\$.cds.) and ((channel vein protrusion) with (cover lid top closure) WITH (mix\$3 agit\$7 stir\$3) )	US-PGPUB; USPAT	OR	ON	2003/12/17 17:57
S11 9	929	134/184	US-PGPUB; USPAT	OR	ON	2003/12/17 17:59
S12 0	96	134/192	US-PGPUB; USPAT	OR	ON	2003/12/17 18:12

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S12 1	78	134/192.CCLS.	US-PGPUB; USPAT	OR	ON	2003/12/17 18:12
S12 2	343	134/182-197.CCLS. AND (WAFER SEMICONDUCTOR)	US-PGPUB; USPAT	OR	ON	2003/12/17 18:13
S12 3	373	134/182-197.CCLS. AND (SUBSTRATE WAFER SEMICONDUCTOR)	US-PGPUB; USPAT	OR	ON	2003/12/17 18:25
S12 4	49	"4869278".URPN.	USPAT	OR	ON	2003/12/17 18:24
S12 5	22	("2498737"   "2828231"   "2831785"   "2950725"   "3058014"   "3151840"   "3301535"   "3396286"   "3415548"   "3517227"   "3596883"   "3730489"   "3873071"   "3893869"   "4099417"   "4118649"   "4326553"   "4385255"   "4440025"   "4602184"   "4644214"   "4670683").PN.	USPAT	OR	ON	2003/12/17 18:36
S12 6	0	(134/204).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/12/17 18:39
S12 7	1472	(134/902).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/12/17 18:39
S12 8	42	"134"/\$.CCLS. AND (TRANSDUCER WITH (ATTACH\$3 MOUNT\$3 COUPL\$3) WITH (LID COVER CLOSURE TOP))	US-PGPUB; USPAT	OR	ON	2003/12/17 20:34
S12 9	60	"5316591".URPN.	USPAT	OR	ON	2003/12/17 20:09
S13 0	60	"5316591".URPN.	USPAT	OR	ON	2003/12/17 20:18
S13 1	10	("2828231"   "3058014"   "4012194"   "4692982"   "4797178"   "4906387"   "4990260"   "5013366"   "5062898"   "5068040").PN.	USPAT	OR	ON	2003/12/17 20:18
S13 2	2	"2001206069"	EPO; JPO; DERWENT	OR	ON	2003/12/17 20:38
S13 3	5	"206069"	EPO; JPO; DERWENT	OR	ON	2003/12/17 20:37
S13 4	1	"2001-206069"	EPO; JPO; DERWENT	OR	ON	2003/12/17 20:38
S13 5	24	danese.in.	EPO; JPO; DERWENT	OR	ON	2003/12/17 20:39
S13 6	51	stevens-joseph.in. lubomirsky-dmitry.in. pancham-ian.in. grunes-howard.in. mok-yeuk\$.in.	US-PGPUB; USPAT	OR	ON	2005/01/26 13:57
S13 7	829	(substrate wafer) with (contact\$3) with (fluid liquid)with (cover top shield closure)	US-PGPUB; USPAT	OR	ON	2004/03/18 13:09
S13 8	423	("118"/\$.ccls. 156/345.\$.ccls. "134"/\$.ccls.) and ((fluid liquid) with (retain\$3) with surface)	US-PGPUB; USPAT	OR	ON	2004/03/18 13:10
S13 9	34	("118"/\$.ccls. 156/345.\$.ccls. "134"/\$.ccls.) and ((fluid liquid) with (cover lid top closure) with (retain\$3) with surface)	US-PGPUB; USPAT	OR	ON	2004/03/18 13:17
S14 0	252	(fluid liquid) with (retain\$3) with surface with (wafer substrate)	EPO; JPO; DERWENT	OR	ON	2004/03/18 13:17
S14 1	503	(fluid liquid) with (retain\$3) with surface with (wafer substrate)	US-PGPUB; USPAT	OR	ON	2004/03/18 13:26
S14 2	1	10/059,572	US-PGPUB; USPAT	OR	ON	2004/03/18 13:33
S14 3	1	("5547508").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/18 13:40
S14 4	27	"5547508".URPN.	USPAT	OR	ON	2004/03/18 13:33

## EAST Search History

S14 5	115	(118/402).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/18 14:00
S14 6	5	"5286529".URPN.	USPAT	OR	ON	2004/03/18 13:46
S14 7	5	("4599969"   "4716851"   "4722856"   "4801476"   "4848270").PN.	USPAT	OR	ON	2004/03/18 13:47
S14 8	7	("3467060"   "4685415"   "4842893"   "4899686"   "4924800"   "5131460"   "5286294").PN.	USPAT	OR	ON	2004/03/18 13:53
S14 9	9	("3549368"   "3705055"   "4197344"   "4238559"   "4520750"   "4564584"   "4592926"   "4608943"   "4686173").PN.	USPAT	OR	ON	2004/03/18 13:56
S15 0	1427	((118/428) or (118/429)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/18 14:00
S15 1	440	(118/407).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/18 14:01
S15 2	0	"5674566".URPN.	USPAT	OR	ON	2004/03/18 14:34
S15 3	4	("3369918"   "4770836"   "5069156"   "5545440").PN.	USPAT	OR	ON	2004/03/18 14:34
S15 4	1	"3664354".PN.	USPAT	OR	ON	2004/03/18 18:09
S15 5	45	"4557785".URPN.	USPAT	OR	ON	2004/03/18 18:10
S15 6	28	"4755844".URPN.	USPAT	OR	ON	2004/03/18 18:21
S15 7	9	("3601029"   "3721175"   "4693211"   "4696885"   "4755844"   "5405508"   "5562772"   "5678116"   "5689749").PN.	USPAT	OR	ON	2004/03/18 18:34
S15 8	2	("3785853"   "4581248").PN.	USPAT	OR	ON	2004/03/18 18:35
S15 9	32	"4693211".URPN.	USPAT	OR	ON	2004/03/18 18:35
S16 0	4	"6090205".URPN.	USPAT	OR	ON	2004/03/18 18:40
S16 1	15	("3601029"   "3721175"   "4693211"   "4696885"   "4755844"   "4788992"   "4822639"   "4886012"   "4899686"   "5095848"   "5405508"   "5562772"   "5678116"   "5689749"   "5716673").PN.	USPAT	OR	ON	2004/03/18 18:41
S16 2	12	"5716673".URPN.	USPAT	OR	ON	2004/03/18 18:45
S16 3	14	("4133912"   "4267212"   "4416213"   "4741926"   "4806504"   "4885262"   "4894351"   "4941426"   "4996080"   "5013586"   "5127362"   "5234499"   "5264246"   "5366757").PN.	USPAT	OR	ON	2004/03/18 18:47
S16 4	2	("3785853"   "4581248").PN.	USPAT	OR	ON	2004/03/18 18:49
S16 5	32	"4693211".URPN.	USPAT	OR	ON	2004/03/18 18:49
S16 6	5	"5853961".URPN.	USPAT	OR	ON	2004/03/18 18:50
S16 7	9	("3601029"   "3721175"   "4693211"   "4696885"   "4755844"   "5405508"   "5562772"   "5678116"   "5689749").PN.	USPAT	OR	ON	2004/03/18 18:51
S16 8	10	("3727620"   "3769992"   "3990462"   "4015615"   "4027686"   "4132567"   "4161356"   "4286541"   "4469424"   "4557785").PN.	USPAT	OR	ON	2004/03/18 18:57

## EAST Search History

S16 9	7	"5368634".URPN.	USPAT	OR	ON	2004/03/18 19:21
S17 0	0	"5674566".URPN.	USPAT	OR	ON	2004/03/18 19:25
S17 1	4	("3369918"   "4770836"   "5069156"   "5545440").PN.	USPAT	OR	ON	2004/03/18 19:25
S17 2	125	(US-3921572-\$ or US-3916071-\$ or US-3765810-\$ or US-6258154-\$ or US-6390904-\$ or US-4226208-\$ or US-6235641-\$ or US-6017827-\$ or US-5167747-\$ or US-4838979-\$ or US-4557785-\$ or US-4600463-\$ or US-6383571-\$ or US-5976256-\$ or US-5935330-\$ or US-5769946-\$ or US-5674566-\$ or US-5190591-\$ or US-5009933-\$ or US-4982686-\$ or US-4840821-\$ or US-4848270-\$ or US-4851263-\$ or US-4856456-\$ or US-4785762-\$ or US-4821675-\$).did. or (US-4674436-\$ or US-4716851-\$ or US-4550681-\$ or US-6432819-\$ or US-6165552-\$ or US-4900593-\$ or US-4038442-\$ or US-6517668-\$ or US-6494984-\$ or US-5575706-\$ or US-6533864-\$ or US-6416583-\$ or US-5704535-\$ or US-6428852-\$ or US-6358323-\$ or US-6086823-\$ or US-5810037-\$ or US-5803099-\$ or US-5669971-\$ or US-6176903-\$ or US-5693122-\$ or US-5190627-\$ or US-6039814-\$ or US-5547508-\$ or US-5368634-\$ or US-5240556-\$ or US-5077099-\$).did. or (US-4715317-\$ or US-4907611-\$ or US-4816081-\$ or US-6521049-\$ or US-6146468-\$ or US-6021791-\$ or US-4290384-\$ or US-6224713-\$ or US-3853094-\$ or US-6642151-\$ or US-4435986-\$ or US-6412499-\$ or US-5531861-\$ or US-5562778-\$ or US-4120699-\$ or US-6027602-\$ or US-5906860-\$ or US-5762708-\$ or US-5656082-\$ or US-5707687-\$ or US-6539952-\$ or US-4869278-\$ or US-4543130-\$ or US-5316591-\$ or US-3988908-\$ or US-6630032-\$ or US-6212916-\$).did. or (US-5494526-\$ or US-5286529-\$ or US-4899686-\$ or US-4592926-\$ or US-6454864-\$ or US-4755844-\$ or US-5853961-\$ or US-6090205-\$ or US-5716673-\$ or US-6124215-\$ or US-6187093-\$ or US-6461061-\$ or US-5310440-\$).did. or (US-20020153254-\$ or US-20030010213-\$ or US-20010015343-\$ or US-20030064159-\$ or US-20020108851-\$ or US-20020056646-\$ or US-20020023720-\$ or US-20010024691-\$ or US-20030141018-\$ or US-20020029788-\$ or US-20020062839-\$ or US-20030045098-\$ or US-20030041804-\$ or US-20020062840-\$ or US-20030047195-\$ or US-20030034056-\$ or US-20030116176-\$ or US-20030106566-\$ or US-20020195133-\$ or US-20020185154-\$ or US-20030140988-\$ or US-20030143837-\$ or US-20030172954-\$).did. or (EP-622475-\$).did. or (JP-08057437-\$).did. or (US-6036780-\$ or JP-05109655-\$ or WO-8910208-\$ or DE-29922090-\$ or US-20020029788-\$ or US-5669971-\$ or DE-3027533-\$ or JP-2003037093-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/03/18 19:37
S17 3	5	(US-2439802-\$ or US-2293174-\$ or US-3526536-\$ or US-2661292-\$ or US-2534320-\$).did.	USOCR	OR	OFF	2004/03/18 19:37



## EAST Search History

S17 4	22	((US-3921572-\$ or US-3916071-\$ or US-3765810-\$ or US-6258154-\$ or US-6390904-\$ or US-4226208-\$ or US-6235641-\$ or US-6017827-\$ or US-5167747-\$ or US-4838979-\$ or US-4557785-\$ or US-4600463-\$ or US-6383571-\$ or US-5976256-\$ or US-5935330-\$ or US-5769946-\$ or US-5674566-\$ or US-5190591-\$ or US-5009933-\$ or US-4982686-\$ or US-4840821-\$ or US-4848270-\$ or US-4851263-\$ or US-4856456-\$ or US-4785762-\$ or US-4821675-\$).did. or (US-4674436-\$ or US-4716851-\$ or US-4550681-\$ or US-6432819-\$ or US-6165552-\$ or US-4900593-\$ or US-4038442-\$ or US-6517668-\$ or US-6494984-\$ or US-5575706-\$ or US-6533864-\$ or US-6416583-\$ or US-5704535-\$ or US-6428852-\$ or US-6358323-\$ or US-6086823-\$ or US-5810037-\$ or US-5803099-\$ or US-5669971-\$ or US-6176903-\$ or US-5693122-\$ or US-5190627-\$ or US-6039814-\$ or US-5547508-\$ or US-5368634-\$ or US-5240556-\$ or US-5077099-\$).did. or (US-4715317-\$ or US-4907611-\$ or US-4816081-\$ or US-6521049-\$ or US-6146468-\$ or US-6021791-\$ or US-4290384-\$ or US-6224713-\$ or US-3853094-\$ or US-6642151-\$ or US-4435986-\$ or US-6412499-\$ or US-5531861-\$ or US-5562778-\$ or US-4120699-\$ or US-6027602-\$ or US-5906860-\$ or US-5762708-\$ or US-5656082-\$ or US-5707687-\$ or US-6539952-\$ or US-4869278-\$ or US-4543130-\$ or US-5316591-\$ or US-3988908-\$ or US-6630032-\$ or US-6212916-\$).did. or (US-5494526-\$ or US-5286529-\$ or US-4899686-\$ or US-4592926-\$ or US-6454864-\$ or US-4755844-\$ or US-5853961-\$ or US-6090205-\$ or US-5716673-\$ or US-6124215-\$ or US-6187093-\$ or US-6461061-\$ or US-5310440-\$).did. or (US-20020153254-\$ or US-20030010213-\$ or US-20010015343-\$ or US-20030064159-\$ or US-20020108851-\$ or US-20020056646-\$ or US-20020023720-\$ or US-20010024691-\$ or US-20030141018-\$ or US-20020029788-\$ or US-20020062839-\$ or US-20030045098-\$ or US-20030041804-\$ or US-20020062840-\$ or US-20030047195-\$ or US-20030034056-\$ or US-20030116176-\$ or US-20030106566-\$ or US-20020195133-\$ or US-20020185154-\$ or US-20030140988-\$ or US-20030143837-\$ or US-20030172954-\$).did. or (EP-622475-\$).did. or (JP-08057437-\$).did. or (US-6036780-\$ or JP-05109655-\$ or WO-8910208-\$ or DE-29922090-\$ or US-20020029788-\$ or US-5669971-\$ or DE-3027533-\$ or JP-2003037093-\$).did.) and ((cavity chamber) with fill\$3)	US-PGPUB; USPAT	OR	ON	2004/03/18 19:41
S17 5	87	((fluid solution liquid) with electroplat\$3) same ((cavity chamber) with fill\$3)	US-PGPUB; USPAT	OR	ON	2004/03/18 19:42
S17 6	52	(plat\$3) with (substrate wafer) with (cavity chamber gap void clearance) with (fill\$3) with (entir\$3 complet\$3)	US-PGPUB; USPAT	OR	ON	2004/03/19 09:04
S17 7	5	(plat\$3) with (substrate wafer) with (cavity chamber gap void clearance) with (fill\$3) with (entir\$3 complet\$3)	EPO; JPO; DERWENT	OR	ON	2004/03/19 09:04
S17 8	9	("5853559"   "6126798"   "6132587"   "6176992"   "6179982"   "6179983"   "6375823"   "6402925"   "6416647"   "2002/0029961").PN.	USPAT	OR	ON	2004/03/19 09:20
S17 9	2	("5084149"   "5256274").PN.	USPAT	OR	ON	2004/03/19 09:30
S18 0	10	"5853559".URPN.	USPAT	OR	ON	2004/03/19 09:31
S18 1	1	("5853961").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/19 12:10

## EAST Search History

S18 2	1	("4821675").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/19 12:10
S18 3	58	stevens-joseph.in. lubomirsky-dmitry.in. pancham-ian.in. grunes-howard.in. mok-yeuk\$.in.	US-PGPUB; USPAT	OR	ON	2005/08/21 14:34
S18 4	20	( "4021278" or "4510176" or "4519846" or "4544446" or "4677758" or "4875434" or "4989345" or "5232511" or "5395649" or "5873177" or "5899216" or "5974661" or "5979475" or "6029369" or "6099702" or "6179982" or "6214193" or "6267853" or "6273104" or "6290865" ).pn.	US-PGPUB; USPAT	OR	ON	2004/08/27 14:57
S18 5	23	"4021278".URPN.	USPAT	OR	ON	2004/08/27 13:08
S18 6	83	"4544446".URPN.	USPAT	OR	ON	2004/08/27 13:10
S18 7	25	("4021278"   "4510176"   "4519846"   "4544446"   "4651440"   "4677758"   "4677759"   "4724619"   "4875434"   "4989345"   "5232511"   "5395649"   "5435075"   "5873177"   "5899216"   "5974661"   "5979475"   "6029369"   "6099702"   "6179982"   "6214193"   "6267853"   "6273104"   "6290865"   "6405739").PN.	USPAT	OR	ON	2004/08/27 13:33
S18 8	0	"6742279".URPN.	USPAT	OR	ON	2004/08/27 13:41
S18 9	5	("2701191"   "2978804"   "3437543"   "3549439"   "3953265").PN.	USPAT	OR	ON	2004/08/27 14:25
S19 0	5	("2701191"   "2978804"   "3437543"   "3549439"   "3953265").PN.	USPAT	OR	ON	2004/08/27 14:26
S19 1	2	"2701191".URPN.	USPAT	OR	ON	2004/08/27 14:26
S19 2	23	"4021278".URPN.	USPAT	OR	ON	2004/08/27 14:29
S19 3	13	"6273104".URPN.	USPAT	OR	ON	2004/08/27 14:35
S19 4	2	("4544446"   "6273104").PN.	USPAT	OR	ON	2004/08/27 14:37
S19 5	2	("4544446"   "6273104").PN.	USPAT	OR	ON	2004/08/27 14:37
S19 6	1	"6440320".URPN.	USPAT	OR	ON	2004/08/27 14:37
S19 7	2	("5947134"   "6273104").PN.	USPAT	OR	ON	2004/08/27 14:49
S19 8	0	"6601596".URPN.	USPAT	OR	ON	2004/08/27 14:49
S19 9	10	"5395649".URPN.	USPAT	OR	ON	2004/08/27 14:53
S20 0	10	"5395649".URPN.	USPAT	OR	ON	2004/08/27 14:54
S20 1	5	("2580131"   "4347302"   "4393807"   "4790262"   "4889069").PN.	USPAT	OR	ON	2004/08/27 14:54
S20 2	2	spin\$3 with (cover lid top) with (prevent\$3) with evaporat\$3	US-PGPUB; USPAT	OR	ON	2004/08/27 14:59
S20 3	96	spin\$3 with (cover lid top) with evaporat\$3	US-PGPUB; USPAT	OR	ON	2004/08/27 15:00
S20 4	56	spin\$3 with (cover lid top) with contact\$3 with (fluid liquid)	US-PGPUB; USPAT	OR	ON	2004/08/27 15:06
S20 5	6	"5334254".URPN.	USPAT	OR	ON	2004/08/27 15:04

## EAST Search History

S20 6	19	spin\$3 with (shield) with contact\$3 with (fluid liquid)	US-PGPUB; USPAT	OR	ON	2004/08/27 15:05
S20 7	19	spin\$3 with (cover lid top) with contact\$3 with (fluid liquid)	EPO; JPO; DERWENT	OR	ON	2004/08/27 15:06
S20 8	21	spin\$3 with (shield cover lid top) with contact\$3 with (fluid liquid)	EPO; JPO; DERWENT	OR	ON	2004/08/27 15:19
S20 9	1	("6173161").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/27 15:19
S21 0	1	("6713161").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/27 15:19
S21 1	46043	((118/\$.cds.156/345.\$.cds.)and(spin\$3withnozzle)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/30 10:39
S21 2	24	("118"/\$.cds. 156/345.\$.cds.) and (spin\$3 with nozzle with (separate outside))	US-PGPUB; USPAT	OR	ON	2004/08/30 13:08
S21 3	11	"5803970".URPN.	USPAT	OR	ON	2004/08/30 10:58
S21 4	4	("5707687"   "5716673"   "5803970"   "6048804").PN.	USPAT	OR	ON	2004/08/30 11:02
S21 5	0	"6610145".URPN.	USPAT	OR	ON	2004/08/30 11:03
S21 6	11	"5803970".URPN.	USPAT	OR	ON	2004/08/30 11:04
S21 7	7	("4790262"   "5002008"   "5349978"   "5439519"   "5449405"   "5536128"   "5705223").PN.	USPAT	OR	ON	2004/08/30 11:04
S21 8	1	("4021278").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/30 14:11
S21 9	1	("4554446").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/30 14:20
S22 0	1	("4544446").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/30 14:20
S22 1	23	"4021278".URPN.	USPAT	OR	ON	2004/08/30 16:06
S22 2	66	stevens-joseph.in. lubomirsky-dmitry.in. pancham-ian.in. grunes-howard.in. mok-yeuk\$.in.	US-PGPUB; USPAT	OR	ON	2004/08/30 17:53
S22 3	25	("4021278"   "4510176"   "4519846"   "4544446"   "4651440"   "4677758"   "4677759"   "4724619"   "4875434"   "4989345"   "5232511"   "5395649"   "5435075"   "5873177"   "5899216"   "5974661"   "5979475"   "6029369"   "6099702"   "6179982"   "6214193"   "6267853"   "6273104"   "6290865"   "6405739").PN.	USPAT	OR	ON	2004/08/30 17:57
S22 9	76	stevens-joseph.in. lubomirsky-dmitry.in. pancham-ian.in. grunes-howard.in. mok-yeuk\$.in.	US-PGPUB; USPAT	OR	ON	2005/01/26 13:57
S23 0	344	evaporation with shield	EPO; JPO; DERWENT	OR	ON	2005/01/26 14:31
S23 1	64	evaporation with shield with (substrate wafer semiconductor workpiece)	EPO; JPO; DERWENT	OR	ON	2005/01/26 14:32
S23 2	0	(evaporation adj shield) with (substrate wafer semiconductor workpiece)	EPO; JPO; DERWENT	OR	ON	2005/01/26 14:32
S23 3	762	("204"/\$.cds. "205"/\$.cds.) and (vacuum ((low reduced) adj pressure)) and degas\$4	US-PGPUB; USPAT	OR	ON	2005/02/07 18:28

## EAST Search History

S23 4	766	("204"/\$.cds. "205"/\$.cds.) and (vacuum ((low reduced) adj2 pressure)) and degas\$4	US-PGPUB; USPAT	OR	ON	2005/02/07 18:27
S23 5	1	10/259,572	US-PGPUB; USPAT	OR	ON	2005/02/07 18:27
S23 6	2	10/059,572	US-PGPUB; USPAT	OR	ON	2005/02/07 18:27
S23 7	41	("204"/\$.cds. "205"/\$.cds.) and (vacuum ((low reduced) adj pressure)) and (degas\$4 with membrane)	US-PGPUB; USPAT	OR	ON	2005/02/07 18:52
S23 8	33	("204"/\$.cds. "205"/\$.cds.) and (vacuum ((low reduced) adj pressure)) same (degas\$4 with membrane)	US-PGPUB; USPAT	OR	ON	2005/02/07 18:52
S23 9	395	"electroless plating".ti.	US-PGPUB; USPAT	OR	ON	2005/02/08 13:07
S24 0	68	electroless.ti. and apparatus.ti.	US-PGPUB; USPAT	OR	ON	2005/02/08 13:10
S24 1	3	09/822,502	US-PGPUB; USPAT	OR	ON	2005/02/08 13:15
S24 2	435	electroless and degas\$4	US-PGPUB; USPAT	OR	ON	2005/02/08 13:15
S24 3	345	electroless and degas\$4 and vacuum	US-PGPUB; USPAT	OR	ON	2005/02/08 13:26
S24 4	1078	("204"/\$.cds. "205"/\$.cds.) and electroless and electrolyte	US-PGPUB; USPAT	OR	ON	2005/02/08 13:27
S24 5	118	("204"/\$.cds. "205"/\$.cds.) and (electroless with electrolyte)	US-PGPUB; USPAT	OR	ON	2005/02/08 14:27
S24 6	1175	((204/275.1) or (204/278)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/20 14:21
S24 7	34	S246 and degas\$4	US-PGPUB; USPAT	OR	ON	2005/02/08 14:37
S24 8	636	(204/278).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/02/08 15:14
S24 9	6	("4075069"   "4201653"   "4522695"   "5112465"   "5616246"   "6258220").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/08 15:12
S25 0	2	"200075402"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/08 15:12
S25 1	6	("5112465").URPN.	USPAT	OR	ON	2005/02/08 16:31
S25 2	9	("1085742"   "1838666"   "2439491"   "2465747"   "4592819").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/08 16:32
S25 3	7	stockbower.in.	US-PGPUB; USPAT	OR	ON	2005/02/09 10:41
S25 4	2	("1085742").URPN.	USPAT	OR	ON	2005/02/09 12:45
S25 5	2	("1085742").URPN.	USPAT	OR	ON	2005/08/18 16:56
S25 6	6	("5112465").URPN.	USPAT	OR	ON	2005/08/18 16:59
S25 7	0	("6846392").URPN.	USPAT	OR	ON	2005/08/18 16:59
S25 8	0	("6846392").URPN.	USPAT	OR	ON	2005/08/18 17:02

## EAST Search History

S25 9	0	11/929,721	US-PGPUB; USPAT	OR	ON	2005/08/18 18:00
S26 0	0	11/929721	US-PGPUB; USPAT	OR	ON	2005/08/18 18:00
S26 1	1	10/929,721	US-PGPUB; USPAT	OR	ON	2005/08/18 18:16
S26 2	1	("4793218").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/18 18:21
S26 3	5	((("5842387") or ("5593454") or ("4587202") or ("4871849") or ("5057401"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/08/18 19:08
S26 4	6	((("5211806") or ("5909227") or ("5063655") or ("6491833") or ("5804083") or ("4611219"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/08/18 19:20
S26 5	1	("6852625").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/18 19:20
S26 6	92	("4544446").URPN.	USPAT	OR	ON	2005/08/19 16:22
S26 7	6	("5275690").URPN.	USPAT	OR	ON	2005/08/19 16:34
S26 8	0	("6830389").URPN.	USPAT	OR	ON	2005/08/19 16:48
S26 9	9	("4021278"   "4373991"   "4544446"   "4922277"   "5275690"   "6076979"   "6190063"   "6241403"   "6458607").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/19 16:48
S27 0	7	("5368634").URPN.	USPAT	OR	ON	2005/08/19 17:53
S27 1	3	("6258154").URPN.	USPAT	OR	ON	2005/08/19 18:14
S27 2	1	("5368634").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/19 18:49
S27 3	7	("5368634").URPN.	USPAT	OR	ON	2005/08/19 18:53
S27 4	1	("6547938").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/19 18:53
S27 5	2	("5032244"   "5951833").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/19 18:53
S27 6	0	("6547938").URPN.	USPAT	OR	ON	2005/08/19 19:24
S27 7	1	("6267853").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/19 19:25
S27 8	45	("3649509"   "3727620"   "3770598"   "4027686"   "4092176"   "4110176"   "4113492"   "4315059"   "4326940"   "4336114"   "4376685"   "4405416"   "4428815"   "4435266"   "4489740"   "4510176"   "4518678"   "4519846"   "4732785"   "4789445"   "5039381"   "5055425"   "5092975"   "5155336"   "5162260"   "5222310"   "5224504"   "5230743"   "5252807"   "5256274"   "5259407"   "5290361"   "5316974"   "5328589"   "5349978"   "5368711"   "5377708"   "5429733"   "5447615"   "5516412"   "5608943"   "5625170"   "5705223"   "5723028").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/19 19:30
S27 9	303	("204"/\$.cds. "205"/\$.cds.) and ((lid cover top) with (membrane mesh) with (gas\$4 de\$1gas\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/19 19:33
S28 0	128	("204"/\$.cds. "205"/\$.cds.) and ((lid cover top) with (membrane mesh) with (gas\$4 de\$1gas\$4)) and (substrate wafer workpiece semiconductor)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/20 14:19

## EAST Search History

S28 1	221	(204/276).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/20 14:19
S28 2	641	(204/278).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/20 14:22
S28 3	835	S281 S282	US-PGPUB; USPAT	OR	ON	2005/08/20 14:22
S28 4	74	S283 and evaporat\$4	US-PGPUB; USPAT	OR	ON	2005/08/20 14:25
S28 5	28	S283 and de\$1gas\$4	US-PGPUB; USPAT	OR	ON	2005/08/20 14:25
S28 6	6	("5102521").URPN.	USPAT	OR	ON	2005/08/20 14:29
S28 7	1	("4832811").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/20 14:32
S28 8	52	("3649509"   "3727620"   "3770598"   "4027686"   "4092176"   "4110176"   "4113492"   "4315059"   "4326940"   "4336114"   "4376685"   "4405416"   "4428815"   "4435266"   "4489740"   "4510176"   "4518678"   "4519846"   "4693805"   "4732785"   "4789445"   "5039381"   "5055425"   "5092975"   "5155336"   "5162260"   "5222310"   "5224504"   "5230743"   "5252807"   "5256274"   "5259407"   "5290361"   "5316974"   "5328589"   "5349978"   "5368711"   "5377708"   "5415890"   "5429733"   "5447615"   "5516412"   "5608943"   "5625170"   "5651865"   "5705223"   "5718813"   "5723028"   "6071388"   "6093291"   "6136163").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/20 14:34
S28 9	46	("3727620"   "3770598"   "4027686"   "4092176"   "4110176"   "4113492"   "4315059"   "4336114"   "4376685"   "4405416"   "4428815"   "4435266"   "4489740"   "4510176"   "4518678"   "4519846"   "4693805"   "4732785"   "5039381"   "5055425"   "5069760"   "5092975"   "5100516"   "5155336"   "5162260"   "5222310"   "5224504"   "5230743"   "5252807"   "5256274"   "5259407"   "5290361"   "5316974"   "5328589"   "5349978"   "5368711"   "5377708"   "5415890"   "5429733"   "5449447"   "5608943"   "5625170"   "5651865"   "5705223"   "5718813"   "5723028").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/20 14:51
S29 0	0	("6846392").URPN.	USPAT	OR	ON	2005/08/20 14:56
S29 1	6	("4075069"   "4201653"   "4522695"   "5112465"   "5616246"   "6258220").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/20 15:02
S29 2	1519	((204/263) or (204/264) or (204/266)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/20 15:06
S29 3	853	(204/266).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/20 15:04
S29 4	421	S293 and membrane	US-PGPUB; USPAT	OR	ON	2005/08/20 15:04
S29 5	5	S293 and (membrane with de\$1gas\$4)	US-PGPUB; USPAT	OR	ON	2005/08/20 15:04
S29 6	10	S293 and ((membrane mesh filter) with de\$1gas\$4)	US-PGPUB; USPAT	OR	ON	2005/08/20 15:04
S29 7	4	S292 and (de\$1gas\$4 with (hood cover lid top))	US-PGPUB; USPAT	OR	ON	2005/08/20 15:08
S29 8	50	S292 and (de\$1gas\$4 )	US-PGPUB; USPAT	OR	ON	2005/08/20 15:21
S29 9	4	09/263,649	US-PGPUB; USPAT	OR	ON	2005/08/20 15:25

## EAST Search History

S30 0	2	"200032835"	EPO; DERWENT	OR	ON	2005/08/20 15:25
S30 1	50	("20010017258"   "20010041526"   "3328273"   "4258316"   "4430173"   "4948474"   "4954142"   "4975159"   "5084071"   "5256565"   "5354490"   "5516412"   "5681215"   "5683564"   "5755859"   "5762544"   "5770095"   "5773364"   "5793272"   "5795215"   "5807165"   "5840629"   "5858813"   "5884990"   "5897375"   "5911619"   "5922091"   "5930669"   "5933753"   "5954997"   "5985123"   "6004880"   "6027631"   "6063506"   "6066030"   "6071388"   "6074544"   "6103085"   "6106378"   "6113759"   "6132587"   "6136163"   "6176992"   "6193859"   "6244942"   "6261433"   "6297155"   "6299741"   "6365017").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/20 15:39
S30 2	48	("3649509"   "3727620"   "3770598"   "4027686"   "4092176"   "4110176"   "4113492"   "4315059"   "4326940"   "4336114"   "4376685"   "4405416"   "4428815"   "4435266"   "4489740"   "4510176"   "4518678"   "4519846"   "4693805"   "4732785"   "4789445"   "5039381"   "5055425"   "5092975"   "5155336"   "5162260"   "5222310"   "5224504"   "5230743"   "5252807"   "5256274"   "5259407"   "5290361"   "5316974"   "5328589"   "5349978"   "5368711"   "5377708"   "5429733"   "5447615"   "5516412"   "5608943"   "5625170"   "5651865"   "5705223"   "5718813"   "5723028").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/20 15:50
S30 3	47	S302 not S301	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/20 15:50
S30 4	49	S301 not S302	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/20 15:51
S30 5	6	S302 not S289	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/20 15:51
S30 6	0	S302 not S288	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/20 15:51
S30 7	34	("6261433").URPN.	USPAT	OR	ON	2005/08/20 16:07
S30 8	1	("5112465").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/20 16:07
S30 9	6	("5112465").URPN.	USPAT	OR	ON	2005/08/20 16:07
S31 0	9	("1085742"   "1838666"   "2439491"   "2465747"   "4592819").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/20 16:08
S31 1	10	("2439491").URPN.	USPAT	OR	ON	2005/08/20 16:10
S31 2	1	("6547938").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/21 11:55
S31 3	1	("5112465").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/21 11:56
S31 4	1	("1085742").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/21 11:56

## EAST Search History

S31 5	186	(US-20010015343-\$ or US-20010024691-\$ or US-20010052465-\$ or US-20020000371-\$ or US-20020017456-\$ or US-20020023720-\$ or US-20020029788-\$ or US-20020029961-\$ or US-20020056646-\$ or US-20020062839-\$ or US-20020062840-\$ or US-20020108851-\$ or US-20020153254-\$ or US-20020185154-\$ or US-20020192938-\$ or US-20020195133-\$ or US-20030010213-\$ or US-20030034056-\$ or US-20030041804-\$ or US-20030045098-\$ or US-20030047195-\$ or US-20030064159-\$ or US-20030106566-\$ or US-20030116176-\$ or US-20030140988-\$ or US-20030141018-\$).did. or (US-20030143837-\$ or US-20030172954-\$ or US-20040035695-\$ or US-20040084301-\$).did. or (US-1085742-\$ or US-2439491-\$ or US-2465747-\$ or US-3622487-\$ or US-3622488-\$ or US-3713998-\$ or US-3765810-\$ or US-3853094-\$ or US-3916071-\$ or US-3921572-\$ or US-3988908-\$ or US-4021278-\$ or US-4038442-\$ or US-4075069-\$ or US-4120699-\$ or US-4226208-\$ or US-4290384-\$ or US-4435986-\$ or US-4543130-\$ or US-4544446-\$ or US-4550681-\$ or US-4557785-\$ or US-4592819-\$ or US-4592926-\$ or US-4600463-\$ or US-4674436-\$).did. or (US-4715317-\$ or US-4716851-\$ or US-4755844-\$ or US-4785762-\$ or US-4816081-\$ or US-4821675-\$ or US-4838979-\$ or US-4840821-\$ or US-4848270-\$ or US-4851263-\$ or US-4856456-\$ or US-4869278-\$ or US-4885047-\$ or US-4899686-\$ or US-4900593-\$ or US-4907611-\$ or US-4982686-\$ or US-5009933-\$ or US-5077099-\$ or US-5102521-\$ or US-5104496-\$ or US-5112465-\$ or US-5167747-\$ or US-5190591-\$ or US-5190627-\$ or US-5240556-\$ or US-5275690-\$).did. or (US-5286529-\$ or US-5310440-\$ or US-5316591-\$ or US-5334254-\$ or US-5344540-\$ or US-5368634-\$ or US-5395649-\$ or US-5494526-\$ or US-5531861-\$ or US-5547508-\$ or US-5562778-\$ or US-5575706-\$ or US-5584310-\$ or US-5656082-\$ or US-5669971-\$ or US-5674566-\$ or US-5693122-\$ or US-5704535-\$ or US-5707687-\$ or US-5716673-\$ or US-5762708-\$ or US-5769946-\$ or US-5803099-\$ or US-5803970-\$ or US-5810037-\$ or US-5853559-\$ or US-5853961-\$).did. or (US-5906860-\$ or US-5935330-\$ or US-5976256-\$ or US-6017827-\$ or US-6021791-\$ or US-6027602-\$ or US-6039814-\$ or US-6086823-\$ or US-6090205-\$ or US-6124215-\$ or US-6136163-\$ or US-6146468-\$ or US-6165552-\$ or US-6176903-\$ or US-6187093-\$ or US-6212916-\$ or US-6224713-\$ or US-6235641-\$ or US-6254760-\$ or US-6258154-\$ or US-6258220-\$ or US-6261433-\$ or US-6267853-\$ or US-6270647-\$ or US-6273992-\$ or US-6358323-\$ or US-6383571-\$).did. or (US-6387226-\$ or US-6390904-\$ or US-6391209-\$ or US-6412499-\$ or US-6416583-\$ or US-6428852-\$ or US-6431190-\$ or US-6432819-\$ or US-6454864-\$ or US-6461061-\$ or US-6468412-\$ or US-6494984-\$ or US-6516815-\$ or US-6517668-\$ or US-6521049-\$ or US-6533864-\$ or US-6539952-\$ or US-6544585-\$ or US-6547938-\$ or US-6576110-\$ or US-6610145-\$ or US-6610600-\$ or US-6630032-\$ or US-6632335-\$ or US-6634805-\$ or US-6642151-\$ or US-6673216-\$).did. or (US-6688784-\$ or US-6695962-\$ or US-6736945-\$ or US-6742279-\$ or US-6824666-\$ or US-6830389-\$ or US-6846392-\$ or US-D366737-\$).did. or (US-1085742-\$ or US-2439491-\$).did. or (EP-622475-\$).did. or (JP-08057437-\$).did. or (DE-3027533-\$ or WO-8910208-\$ or JP-05109655-\$ or US-5669971-\$ or US-6036780-\$ or DE-29922090-\$ or US-6254760-\$ or WO-200075402-\$ or US-20020029788-\$ or JP-2003037093-\$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/21 11:57
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## EAST Search History

S31 6	13	S315 and (heat\$3 with substrate with support\$3)	US-PGPUB; USPAT	OR	ON	2005/08/21 12:10
S31 7	43	(electro\$1plat\$3 electro\$1deposit\$3) same (heat\$3 with substrate with support\$3)	US-PGPUB; USPAT	OR	ON	2005/08/21 12:13
S31 8	42	S315 and (heat\$3 with substrate )	US-PGPUB; USPAT	OR	ON	2005/08/21 12:10
S31 9	29	S318 not S316	US-PGPUB; USPAT	OR	ON	2005/08/21 12:10
S32 0	801	(electro\$1plat\$3 electro\$1deposit\$3) and (heat\$3 with substrate )	EPO; JPO; DERWENT	OR	ON	2005/08/21 12:14
S32 1	150	(electro\$1plat\$3 electro\$1deposit\$3) and (heat\$3 near1 substrate )	EPO; JPO; DERWENT	OR	ON	2005/08/21 12:30
S32 2	2	(electro\$1plat\$3 electro\$1deposit\$3) and (heat\$3 near1 substrate near5 support\$3 )	EPO; JPO; DERWENT	OR	ON	2005/08/21 12:15
S32 3	1	("4217183").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/21 12:30
S32 4	27	("4217183").URPN.	USPAT	OR	ON	2005/08/21 12:31
S32 5	16	S324 and (heat\$3 with (substrate wafer workpiece semiconductor))	USPAT	OR	ON	2005/08/21 12:32
S32 6	16	S324 and (heat\$3 with (substrate wafer workpiece semiconductor))	US-PGPUB; USPAT	OR	ON	2005/08/21 12:32
S32 7	5	10/059,572	US-PGPUB; USPAT	OR	ON	2005/08/21 14:22
S32 8	87	stevens-joseph.in. lubomirsky-dmitry.in. pancham-ian.in. grunes-howard.in. mok-yeuk\$.in.	US-PGPUB; USPAT	OR	ON	2005/08/21 15:10
S32 9	2	"11279797"	EPO; JPO; DERWENT	OR	ON	2005/08/21 15:11
S33 0	1830	electroless and plating and electroplat\$3	EPO; JPO; DERWENT	OR	ON	2006/08/10 17:46
S33 1	0	electroless and plating and electroplat\$3 and ((single same one) adj apparatus)	EPO; JPO; DERWENT	OR	ON	2006/08/10 17:48
S33 2	0	electroless and plating and ("same apparatus")	EPO; JPO; DERWENT	OR	ON	2006/08/10 17:55
S33 3	208	electroless and plating and ("same apparatus")	US-PGPUB; USPAT	OR	ON	2006/08/10 18:16
S33 4	6	electroless same electroplat\$4 same ("same apparatus")	US-PGPUB; USPAT	OR	ON	2006/08/10 17:58
S33 5	13	electroless same electroplat\$4 same ("same chamber")	US-PGPUB; USPAT	OR	ON	2006/08/10 17:59
S33 6	7900	electroless with electroplat\$4	US-PGPUB; USPAT	OR	ON	2006/08/10 18:00
S33 7	297	electroless with electroplat\$4 with "both"	US-PGPUB; USPAT	OR	ON	2006/08/10 18:00
S33 8	48	electroless with electroplat\$4 with "both"	EPO; JPO; DERWENT	OR	ON	2006/08/10 18:05
S33 9	220	electroless.ti. and apparatus.ti.	EPO; JPO; DERWENT	OR	ON	2006/08/10 18:07
S34 0	5	S339 and electroplat\$3	EPO; JPO; DERWENT	OR	ON	2006/08/10 18:06
S34 1	35	electroless.ti. and evaporat\$4	EPO; JPO; DERWENT	OR	ON	2006/08/10 18:08
S34 2	9	electroless.ti. and degass\$4	EPO; JPO; DERWENT	OR	ON	2006/08/10 18:22

## EAST Search History

S34 3	8	("3532519" "4484936" "5695810" "5935330" "6153935" "6342733" "6544585" "6680540").PN.	US-PGPUB; USPAT	OR	ON	2006/08/10 18:16
S34 4	24	electroless.ti. and degass\$4	US-PGPUB; USPAT	OR	ON	2006/08/10 18:24
S34 5	344999	electroless.ti. and degass\$4 amd membrane	US-PGPUB; USPAT	OR	ON	2006/08/10 18:23
S34 6	12	electroless.ti. and degass\$4 and membrane	US-PGPUB; USPAT	OR	ON	2006/08/10 18:27
S34 7	12	electroless.ti. and (degass\$4 same membrane)	US-PGPUB; USPAT	OR	ON	2006/08/10 18:23
S34 8	12	S344 not S347	US-PGPUB; USPAT	OR	ON	2006/08/10 18:26
S34 9	1	("6182376").PN.	US-PGPUB; USPAT	OR	OFF	2006/08/10 18:26
S35 0	42	(electroless with (plat\$4 deposit\$4)) and (degass\$4 same membrane)	US-PGPUB; USPAT	OR	ON	2006/08/10 18:34
S35 1	0	(electroless with (plat\$4 deposit\$4)) and (degass\$4 same membrane)	EPO; JPO; DERWENT	OR	ON	2006/08/10 18:28
S35 2	0	(electroless and (plat\$4 deposit\$4)) and (degass\$4 and membrane)	EPO; JPO; DERWENT	OR	ON	2006/08/10 18:28
S35 3	54	("1085742" "2439491" "2001024691A1" "20020029788" "20020032839" "20030034056" "20030106566" "20030116176" "3853094" "4120699" "4353942" "4557785" "4663804" "4821675" "4021278" "4510176" "4519846" "4544446" "4677758" "4875434" "4989345" "5112465" "5316591" "5368634" "5547508" "5810037" "5853961" "5906860" "5232511" "5395649" "5873177" "5899216" "5974661" "5979475" "6021791" "6027602" "6039814" "6042712" "6156125" "6171399" "6176903" "6179982" "6220771" "6224713" "6428852" "6461061" "6547938" "6632335" "6846392" "6029369" "6099702" "6179982" "6214193" "6267853" "6273104" "6290865").PN.	US-PGPUB; USPAT	OR	ON	2006/08/10 18:34
S35 4	1	("6544585").PN.	US-PGPUB; USPAT	OR	OFF	2006/08/15 16:30